



ENVIRONMENTAL CONSULTANTS

300 S. WACKER DRIVE, SUITE 2050  
CHICAGO, IL 60606  
(P) 312.465.1740  
(F) 262.523.9001

**Crawford Station MGP Site  
Chicago, Illinois**

**Weekly Field Progress Report**

Report Date: July 20, 2012

Prepared By: Natural Resource Technology, Inc.  
Kyle Bareither  
Timothy B. Norris, PG  
John M. Nardozzi, PE

Submitted To: Integrys Business Support, LLC  
Naren M. Prasad, PE

Activity Period: July 8, 2012 through July 14, 2012

The following summarizes the environmental field activities performed by NRT on behalf of IBS at the former Crawford Station MGP site Time Critical Removal Action (AOC V-W-11-C-981):

<b>Tasks</b>	<b>Environmental Activities</b>
General Description of Work Performed	<p>The following activities were conducted:</p> <ul style="list-style-type: none"><li>• Tecnica continued to backfill and compact Areas A, I, AA, J and the areas along the permanent sheet pile wall.</li><li>• Tecnica extended the backfill operations south, approximately 80 feet, in the Potential Removal Area (PRA) south of Area R.</li><li>• Tecnica continued to excavate and load out material from Area L.</li><li>• Excavation was initiated in Area W on Monday (7/9) and completed on Tuesday (7/10). Additional excavation was performed to the east (10 ft.) and to the west (30 ft.) due to visual impacts in the soil.</li><li>• Tecnica excavated Area K an additional 2 feet (14 ft. bgs) due to a sample that did not meet post-excavation screening criteria requirements.</li><li>• Tecnica continued excavating to a depth of 12' in the PRA north of Area A based on visual observations of MGP source material. Tecnica completed the excavation to the north, and the initiated excavation to the east toward the large City of Chicago sewer.</li><li>• Rusmar foam was utilized daily to mitigate odors, and woodchips were utilized as needed for additional odor control throughout the week.</li></ul>

	<ul style="list-style-type: none"> <li>Excavated soils were loaded and transported to Waste Management's Laraway Road RDF landfill for disposal. A total of 10,563 tons of material was disposed of at the landfill bringing the overall project total to 210,793 tons.</li> </ul>
<b>Tasks</b>	<b>Environmental Activities</b>
General Description of Work Performed (continued)	<ul style="list-style-type: none"> <li>Utilized GPS to locate pertinent items and features.</li> <li>NRT conducted air monitoring activities for PM<sub>10</sub> through the use of DustTraks, 12-hour time-weighted samples for BTEX and Naphthalene through the use of SUMMAs, and real time VOC concentrations using PIDs. Additionally, no odor/dust issues were noted at the perimeter of the site.</li> </ul>
Sampling Activities Performed:	<p>NRT conducted the following sampling activities:</p> <ul style="list-style-type: none"> <li>DustTraks collected particulate data each day and data has been downloaded for analysis.</li> <li>Three post-excavation base samples were collected (EB-121 through EB-123) in the additional excavation north of Area A. These samples will be analyzed for constituents listed in the RAWP for post-excavation.</li> <li>Two replacement post-excavation base samples were collected in Area K after it was excavated an additional 2 feet (EB-119 and EB-120). These samples will be analyzed for constituents listed in the RAWP for post-excavation.</li> <li>Three post-excavation wall samples were collected in the additional excavation north of Area A (EW-28, EW-29 and EW-30). These samples will be analyzed for constituents listed in the RAWP for post-excavation.</li> <li>Three SUMMA canisters were deployed on 7/11/12 and sent to TestAmerica Laboratory for BTEX and naphthalene analysis.</li> </ul>
NRT Field Personnel	Kyle Bareither, Ron Horan
Equipment Deployed:	SUMMA Canisters DustTraks PIDs Multi-gas meter
Field Photos	See attached sheets

**Additional site activities:**

Water is being pumped from the open excavations as needed. Water is sent through the Water Treatment System and discharged into the City of Chicago sewer for discharge into the MWRD system.

Jim Hahnenberg of the USEPA was on site on Tuesday (7/10) for a site visit. NRT provided a site tour and reviewed the current and projected construction activities to date.

Representatives from People's Gas and Michels Corporation were on site on Tuesday (7/10) to perform a pipeline integrity test on the southern 42 inch high pressure gas line running through Area W.

ExxonMobil (neighbors to the west) notified IBS personnel that they were detecting an odor apparently emanating from the RAA. NRT and Burns & McDonnell took the necessary actions to suppress the odors through the use of additional Rusmar foam and woodchips, along with limiting the handling of the material to reduce the volatilization of the odor causing compounds.

Chris Szela (People's Gas) and representatives from Michels Corporation were on site on Thursday (7/12) to view the extent and amount of impacted soil in between the two high pressure gas lines running through Area W in order to make a decision as to if the material would be removed.

Work planned for the coming week, July 15, 2012 through July 21, 2012, is as follows:

- Provide oversight for the additional excavation north of Area A to determine the final extents and take confirmation samples once this area has been completed..
- Take additional floor samples in Area L and Area M as they become available.
- Conduct Full Scale Air monitoring consisting of one 12-hour SUMMA can sampling event per week. The days of the 12-hour sampling will be determined to coincide with excavation activities.
- Receive and review post-excavation confirmation, post-amendment, and air sampling data from TestAmerica.

A weekly field progress report will continued to be issued throughout the duration of field activities for this Time Critical Removal Action. A written report summarizing the results and findings of the Removal Action will be provided following completion of all field activities.

A summary of the construction activities as detailed by the Construction Manager have been included with this report as Attachment 1.

Please feel free to contact us if you have any questions.

Sincerely,

NATURAL RESOURCE TECHNOLOGY, INC.



Timothy B. Norris, PG  
Geologist

Attachment 1: Burns and McDonnell Construction Management Report

### Field Photos:



Photo 1: Backfilling operations in the PRA south of Area R.

Direction: Facing northwest.

Photo Date: 7/9/2012

Photo Taken By: KJB



Photo 2: Tecnica utilizing Rusmar foam to suppress odors in Area L.

Direction: Facing south.

Photo Date: 7/9/2012

Photo Taken By: KJB



Photo 3: Excavation activities in Area W.

Direction: Facing southwest.

Photo Date: 7/10/2012

Photo Taken By: KJB



**Field Photos (continued):**



Photo 4: Loading out material from Area K.

Direction: Facing southwest.

Photo Date: 7/11/2012

Photo Taken By: KJB



Photo 5: Technica excavating the north wall in the additional area North of Area A.

Direction: Facing north.

Photo Date: 7/12/2012

Photo Taken By: KJB



Photo 6: Technica placing backfill along the sheet pile wall in Area N.

Direction: Facing southwest.

Photo Date: 7/12/2012

Photo Taken By: KJB



1431 Opus Place, Suite 400  
Downers Grove, Illinois 60515

Week of: 7/8/12 to 7/14/12

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**Subject: Site Remediation – Construction Management  
Peoples Gas – Former Crawford Station**

**Burns & McDonnell Personnel Onsite**

Site Construction Manager

- Bal Berena

Site Remediation Supervisor

- Bernard Gill

Construction Manager

- Dave D'Armond

Others

- Chad Hawthorn
- Mike Swieca

**Integrays Peoples Gas Personnel Onsite**

- Matt Jednoroz, Eric Wagoner
- Freddie Ramirez and Steve Griffin

**Subcontractors Onsite**

- Tecnica Environmental Services
- Interra

Others

- Natural Resource Technology (NRT)
- Waste Management (Dave Weber) and Steve Jiskra, Vito Pesoli (MT)

**Miscellaneous Visitors**

- James Hahnenberg (USEPA)
- Chuck Sabel (Michels)
- Gary Klein (TES)

**Site Activities**

**BURNS & MCDONNELL**

- Managed site activities with Tecnica Environmental Services and Interra;
- Escorted USEPA and Interra personnel during their respective site visits;
- Pumped and discharged 21,389 gallons of treated excavation water to MWRD;
- Issued truck tracking forms for all excavated soils from Areas A, W, K, and L;
- Tracked 557 loads (10,563.33 tons) for Direct soils disposal at Laraway Landfill;
- Received 572 loads of CA-6 (12,813.11 tons) for backfill in areas A to N along the sheeting wall, south of area R, A, H, HA and J, 1 load of wood chips 90 cubic yards;
- Participated in daily subcontractor pre-task analysis safety meetings on site;
- Conducted periodic health and safety air monitoring in excavation area with no significant PID readings from the site activities;

- Held the weekly site construction meeting with Supervisors of Subcontractors, Waste Management; and
- Monitored site conditions for traffic, dust, odors, and overall safety.

#### **TECNICA ENVIRONMENTAL SERVICES**

- Excavated and loaded out soils from areas A, K, W, and L;
- Controlled odors through foaming (17 drums used) and wood chips;
- Actively suppressed dust on site through watering and haul road maintenance;
- Operated and maintained truck scale;
- Assisted BMcD in water treatment system operation and maintenance;
- Continuously monitored site fencing, silt fence, and erosion control materials;
- Assisted NRT collecting samples in area A;
- Performed routine maintenance on decon pad, tracking pad, and haul roads;
- Continued breaking concrete generated from areas I and L; and
- Excavated and backfilled both sides of the south half of the Chicago Sanitary Sewer simultaneously as required by OUC.

#### **INTERRA**

- Performed compaction tests on CA-6 during backfill of areas A, AA, H, J, along sheeting, and south of R.

#### **Changes to Scope of Work**

- Support for PGL pipe integrity excavation currently on hold; and
- Continue excavating to the north of original A.

#### **Open/Outstanding Items**

- Due to odor complaint from property to west of site, a misting system to be implemented along the top of the west property fence. Additional odor suppression activities were increased for odor control.

#### **Anticipated Activities for the Week of July 15, 2012**

- Continue backfilling areas A, I, H, HA, J, K, AA, and areas along the sheeting line;
- Excavate and load out in areas north of A, L, M, and N; and
- Cut main sheeting wall a minimum of 2" below ground surface (bgs).



**Crawford Station Site:**

**Remediation**

Date: July 11, 2012

Description: One foot of FA 2 sand placed on top of the south half of the Chicago Sanitary Sewer as requested by the Chicago Department of Water. View is to the north.



**Crawford Station Site:**

**Remediation**

Date: July 11, 2012

Description: Looking east, black MGP impacted material four feet below ground surface during area W excavation.





**Crawford Station Site:**

**Remediation**

Date: July 10, 2012

Description: View from area R looking south at the remaining half of the blue shed, which Tecnica is carefully disassembling, for relocation into the southeast corner of PGL's training pad.



**Crawford Station Site:**

**Remediation**

Date: July 09, 2012

Description: Tecnica continued backfilling both sides of the south half of the sewer simultaneously as required by the City of Chicago Water Department, looking northwest.